




Electroluminescent device with organic electroluminescent medium.

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Inventor: SUTEIBUN AARANDO BANSURAIKU; CHIN WAN TAN; MAIKERU EDOWAADO OBURAIEN; CHIN SHIN CHIEN
Applicant: EASTMAN KODAK CO
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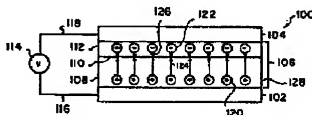
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 EP0468528 (A1)
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PURPOSE: To stabilize a long term operation, by composing a device of anode, organic hole injection transfer band and organic electron injection transfer band that are prepared separately, and cathode, and by containing, in the hole injection transfer band, aromatic ingredients which have two condensed aromatic rings coupled to nitrogen atom of tertiary amine.

CONSTITUTION: When build up a luminescent device 100, anode 102 is constructed so as to be isolated from cathode 104 through an organic electro luminescent medium 106, and join this medium 106 with hole injection transfer band 108 and electron injection transfer band 112 through surface of junction 110. A voltage source of a continuous direct current, alternate current, or intermittent current, etc., is connected to the conductor 116, 118 which is connected to anode 102 and cathode 104 respectively. In this case, anode 102 is positively biased to cathode 104, and only when anode 102 is at a higher voltage, the current is made to flow forward. Thus, light is emitted from the medium 106.

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